

**In the Claims:**

Amend Claims 42, 45 and 47 amended as follows:

C<sup>2</sup> 1 42. (Amended) A computer generated method for reducing an amount of horizontal  
2 space required when displaying a plurality of column on a display screen, at least one  
3 column of the plurality of columns including at least one entry containing text data, the  
4 method comprising the steps of:

5 (a) defining a first character type as a space, a second character type as a  
6 lower case vowel and a third character type as a lower case letter;

7 (b) obtaining the at least one entry; and

8 (c) abbreviating a width of the at least one entry by

9 (c1) removing at least one of the first character type if the at least one  
10 entry includes the at least one of the first character type;

11 (c2) removing at least one of the second character type if the at least  
12 one entry includes the at least one of the second character type; and

13 (c3) removing at least one of the third character type if the at least one  
14 entry includes the at least one of the third character type.

C<sup>3</sup> 1 45. (Amended) The method of claim 44 wherein the at least one column heading  
2 includes a first plurality of characters; and wherein abbreviating step (b) further includes  
3 the step of:

4 (b1) removing at least one character of a second plurality of characters if the at  
5 least one column heading includes the at least one character.

04 1 47. (Amended ) The method of claim 44 wherein the at least one column heading  
2 includes a plurality of characters, the plurality of characters being capable of containing  
3 at least one lower case character not a lower case vowel; and wherein abbreviating  
4 step (b) further includes the step of:  
5 (b1) removing the at least one lower case character if the at least one column  
6 heading includes the at least one lower case character.

Add the following New Claims 75-84:

05 1 75. A computer generated method to abbreviate a character string comprising the  
2 acts of:  
3 (a) providing the character string to be abbreviated;  
4 (b) defining N character types to be removed for said character string,  
5 wherein N is greater than 1;  
6 (c) defining a character string size having a predetermined number of  
7 characters to be in an abbreviated character string;  
8 (d) selecting a character from the N character types;  
9 (e) searching the character string for the selected character type;  
10 (f) removing the selected character if detected in said search of the character  
11 string;  
12 (g) comparing a remaining portion of the character string remaining after the  
13 selected character is removed with the character string size set forth in  
14 step (c);  
15 (h) terminating removal of additional character type from said remaining  
16 portion of the character string if said remaining portion of the character  
17 string is not greater than the character string size; and

18 (i) ~~repeating~~ acts (d) through (h) if the remaining portion of the character  
19 string is greater than the character size.

1 76. The method of Claim 75 including the act of displaying on a monitor the  
2 abbreviated character string.

1 77. The method of Claim 75 wherein N is 3.

CS 1 78. The method of Claim 75 wherein the N character types include type one  
2 character representing space, type two character representing lower case vowels  
3 and type three character representing lower case letters, excluding vowels.

1 79. The method of Claim 78 wherein searching begins at a last character in said  
2 character string proceeding backwards through the string.

1 80. The method of Claim 79 wherein character types are removed in the following  
2 order - type one character, type two character and type 3 character.

1 81. A method for reducing an amount of horizontal space required when displaying a  
2 plurality of column on a display screen, at least one column of the plurality of  
3 columns including at least one entry containing text data, the method comprising  
4 the steps of:

5 (a) determining N character types, N greater than 1;

6 (b) obtaining the at least one entry; and

7 (c) abbreviating a width of the at least one entry by

8 (c1) removing at least one space if the at least one entry includes the at  
9 least one space and if the at least one space is a first character  
10 type of the N character types;

- 11 (c2) removing at least one lower case vowel if the at least one entry  
12 includes the at least one lower case vowel that is a second  
13 character type of the N character types; and  
14 (c3) removing at least one lower case letter if the at least one entry  
15 includes the at least one lower case letter which is a third character  
16 type of the N character types, wherein removal of characters from  
17 the at least one entry begins at a last character of said at least one  
18 entry proceeding backwards through characters to a first character  
19 of said at least one entry and a portion of the at least one entry  
20 remaining after a character type is removed is correlated with a  
21 predetermined character size and if the portion of the at least one  
22 entry is not greater than the predetermined character size further  
23 removal of character type ends.

- 1 82. A computer method to abbreviate a character string comprising the acts of:  
2 (a) defining N character types, N greater than 1;  
3 (b) providing the character string;  
4 (c) abbreviating the character string by  
5 (c<sub>1</sub>) removing at least a first character if the character string includes  
6 the at least first character that is defined as a character type of the  
7 N character types.  
8 (c<sub>2</sub>) removing at least a second character if the character string  
9 includes the at least second character that is defined as a  
10 character type of the N character types; and  
11 (c<sub>3</sub>) removing at least a third character if the character string includes  
12 the at least third character that is defined as a character type of the  
13 N character types.